Notice of AlLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initia of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.  1. ☑ This communication is responsive to May 1, 2006. 2. ☑ The allowed claim(s) is/are 1.6 and 14-18. 3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some* o) ☐ None of the: 1. ☐ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No. 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).  **Certified copies not received: ☐ Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTC-152) which gives reason(s) why the oath or declaration is deficient.  5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.  (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached  1) ☐ here for 2) ☐ to Paper No./Mail Date ☐ (b) ☐ including changes required by the eathcached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date ☐ (b) ☐ including changes required by the Application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).  6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL		Application No.	Applicant(s)
Renneth S. KIM	Notice of Allowability	09/885.459	ALFANO ET AL.
- The MAILING DATE of this communication appears on the cover sheet with the correspondence address—All claims being allowable, PROSECUTION ON THE MERTIS IS (OR REMAINS) CLOSED in this application. If not included nerwith (or previously mailed), a blotice of Allowance (PTOL-185) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initis of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.  1. ☑ This communication is responsive to May 1, 2006.  2. ☑ The allowed claim(s) is/are 1-6 and 14-18.  3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) ☐ All b) ☐ Some* c) ☐ None of the:  1. ☐ Certified copies of the priority documents have been received.  2. ☐ Certified copies of the priority documents have been received in Application No. ☐ .  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the international Bureau (PCT Rule 17.2(a)).  * Certified copies not received: ☐ .  Applicant has THREE MONTH'S FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE MONTH'S FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE MONTH'S FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application to file a reply complying with the requirements of this application is deficient.  1. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submi		<del></del>	
The MAILING DATE of this communication appears on the cover sheet with the correspondence address- All claims being allowable. PROSECUTION ON THE MERTIS IS (OR REMAINS) CLOSED in this application. If not included revervith (or previously mailed), a blote of Allowance (PTOL-95) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initis of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.  1. ☑ This communication is responsive to May 1, 2006.  2. ☑ The allowed claim(s) is/are 1.6 and 14-18.  3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) ☐ All b) ☐ Some* c) ☐ None of the:  1. ☐ Certified copies of the priority documents have been received.  2. ☐ Certified copies of the priority documents have been received in Application No  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the international Bureau (PCT Rule 17.2(a)).  * Certified copies not received:  Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements roted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE MONTHS FROM THE PRIOD IS NOT EXTENDABLE.  1. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.  5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.  (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached  1) ☐ hereto or 2) ☐ to Paper No./Mail Date  (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date  (c) ☐ DEPOSIT OF and/or INFORMATION about		Kenneth S. KIM	2111
2. ☑ The allowed claim(s) is/are 1-6 and 14-18. 3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received:  Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.  5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.  (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached  1) ☐ hereto or 2) ☐ to Paper No./Mail Date  (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date  (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Grice action of Paper No./Mail Date  (c) ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding Requirement for Deposit of BIOLOGICAL MATERIAL must be submitted.  Attachment(s)  1. ☐ Notice of Informal Patent Application (PTO-152)  8. ☐ Interview Summary (PTO-413), Paper No./Mail Date  2. ☐ Notice of Paper No./Mail Date  3. ☐ Comment Regarding Requirement for Deposit of Biological Material	All claims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGORY OF THE OFFICE OF UPON PETITION BY THE APPLICANT. See 37 CFR 1.313	OR REMAINS) CLOSED or other appropriate comme GHTS. This application is	rith the correspondence address in this application. If not included nunication will be mailed in due course. THIS
3.	1. This communication is responsive to May 1, 2006.		
a)	2. ☑ The allowed claim(s) is/are <u>1-6 and 14-18</u> .		
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  4.  ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.  5.  ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.  (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached  1) ☐ hereto or 2) ☐ to Paper No./Mail Date  (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date  Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).  6.  ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.  Attachment(s)  1. ☐ Notice of References Cited (PTO-892)  2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)  3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date  7. ☑ Examiner's Amendment/Comment  8. ☐ Examiner's Statement of Reasons for Allowance of Biological Material  9. ☐ Other	a) All b) Some* c) None of the:  1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)).  * Certified copies not received:  Applicant has THREE MONTHS FROM THE "MAILING DATE" of	been received. been received in Application uments have been received of this communication to file	on No ed in this national stage application from the
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.  (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached  1) ☐ hereto or 2) ☐ to Paper No./Mail Date  (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date  Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).  6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.  Attachment(s)  1. ☐ Notice of References Cited (PTO-892)  2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)  3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date  2. ☐ Notice of Informal Patent Application (PTO-152)  5. ☐ Notice of Informal Patent Application (PTO-152)  6. ☐ Interview Summary (PTO-413), Paper No./Mail Date  7. ☑ Examiner's Amendment/Comment Paper No./Mail Date  8. ☐ Examiner's Statement of Reasons for Allowance of Biological Material	4.  A SUBSTITUTE OATH OR DECLARATION must be submit	tted. Note the attached EX	AMINER'S AMENDMENT or NOTICE OF
(a)	INFORMAL PATENT APPLICATION (PTO-152) which give	s reason(s) why the oath o	or declaration is deficient.
1)	<ol><li>CORRECTED DRAWINGS ( as "replacement sheets") must</li></ol>	be submitted.	
(b)   including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date  Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).  6.   DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.  Attachment(s)  1.   Notice of References Cited (PTO-892)  2.   Notice of Draftperson's Patent Drawing Review (PTO-948)  3.   Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date  7.   Examiner's Amendment/Comment Regarding Requirement for Deposit of Biological Material  8.   Examiner's Statement of Reasons for Allowance of Biological Material	(a) I including changes required by the Notice of Draftsperso	on's Patent Drawing Revie	w ( PTO-948) attached
Paper No./Mail Date  Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).  6. □ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.  Attachment(s)  1. □ Notice of References Cited (PTO-892)  2. □ Notice of Draftperson's Patent Drawing Review (PTO-948)  3. □ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date  Paper No./Mail Date  4. □ Examiner's Comment Regarding Requirement for Deposit of Biological Material	1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date	•	
each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).  6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.  Attachment(s)  1. Notice of References Cited (PTO-892)  2. Notice of Draftperson's Patent Drawing Review (PTO-948)  3. Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date  7. Examiner's Amendment/Comment Regarding Requirement for Deposit of Biological Material  8. Examiner's Statement of Reasons for Allowance of Biological Material		Amendment / Comment of	or in the Office action of
Attachment(s)  1. Notice of References Cited (PTO-892)  2. Notice of Draftperson's Patent Drawing Review (PTO-948)  3. Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date  Paper No./Mail Date  1. Examiner's Comment Regarding Requirement for Deposit of Biological Material  2. Other	Identifying indicia such as the application number (see 37 CFR 1.8 each sheet. Replacement sheet(s) should be labeled as such in the	84(c)) should be written on e header according to 37 C	the drawings in the front (not the back) of FR 1.121(d).
1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material  5. ☐ Notice of Informal Patent Application (PTO-152) 6. ☐ Interview Summary (PTO-413), Paper No./Mail Date 7. ☑ Examiner's Amendment/Comment 8. ☐ Examiner's Statement of Reasons for Allowance 9. ☐ Other	<ol> <li>DEPOSIT OF and/or INFORMATION about the depose attached Examiner's comment regarding REQUIREMENT F</li> </ol>	it of BIOLOGICAL MAT FOR THE DEPOSIT OF BI	ERIAL must be submitted. Note the OLOGICAL MATERIAL.
1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material  5. ☐ Notice of Informal Patent Application (PTO-152) 6. ☐ Interview Summary (PTO-413), Paper No./Mail Date 7. ☑ Examiner's Amendment/Comment 8. ☐ Examiner's Statement of Reasons for Allowance 9. ☐ Other			
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)  3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date  4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material  6. ☐ Interview Summary (PTO-413), Paper No./Mail Date  7. ☑ Examiner's Amendment/Comment  8. ☐ Examiner's Statement of Reasons for Allowance  9. ☐ Other			
Paper No./Mail Date  Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date  Examiner's Comment Regarding Requirement for Deposit of Biological Material  Paper No./Mail Date  Examiner's Amendment/Comment  Examiner's Statement of Reasons for Allowance  Other		<u> </u>	•
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material  7. ☐ Examiner's Amendment/Comment 8. ☐ Examiner's Statement of Reasons for Allowance 9. ☐ Other	2.   Notice of Draftperson's Patent Drawing Review (P10-948)		
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material  9. ☐ Other  RENNETH S. KIM	<ol> <li>Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No /Mail Date</li> </ol>		
RENNETH S. KIM	4.   Examiner's Comment Regarding Requirement for Deposit		
RENNETH S. KIM PRIMARY EXAMINER		9. 🔲 Other	<u> </u>
			RENNETH S. KIM PRIMARY EXAMINER

Art Unit: 2111

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Gregory M Howison on May 12, 2006.

2. The application has been amended as follows:

In the claims,

Claim 1, line 13, after "functional", insert - - input/output - -,

Claim 1, line 16, after "functional", insert - - input/output - -,

Claim 17, line 2, after "functional", insert - - input/output - -.

Pursuant to MPEP 606.01, the title has been changed to read:

- - Reconfigurable interface for coupling functional input / output blocks to limited number of i/o pins -.
- 3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kenneth S KIM whose telephone number is (571) 272-3627. The examiner can normally be reached on M-F (8:30-17:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Rinehart can be reached on (571) 272-3632. The fax phone numbers for the organization where this application or proceeding is assigned are (571) 273-8300 for all communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-2100.

PRIMARY EXAMINER